

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2005/002114

A. CLASSIFICATION OF SUBJECT MATTER
INV. G06F17/14 G01J3/45

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
G06F G01J G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PAJER R T ET AL: "A method for complex interpolation of spectral segments" JOURNAL OF MAGNETIC RESONANCE, vol. 21, no. 3, March 1976 (1976-03), pages 485-489, XP002390699 USA ISSN: 0022-2364 the whole document ----- -/--	1-13

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

17 July 2006

Date of mailing of the international search report

27/07/2006

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KUPKA T ET AL: "Application of data processing for sensitivity and resolution enhancement of ^{31}P and ^{13}C NMR spectra of humic substances" MAGNETIC RESONANCE IN CHEMISTRY, vol. 27, no. 1, 1989, pages 21-26, XP002390700 section "Introduction", paragraph 3 section "Results and Discussion", paragraphs 4 and 5 section "Experimental" -----	1-13
Y	ROTH K ET AL: "Application of Fourier transformation techniques for sensitivity and resolution enhancement of continuous wave EPR spectra" JOURNAL OF MAGNETIC RESONANCE, vol. 63, no. 2, 15 June 1985 (1985-06-15), pages 360-364, XP002390701 USA ISSN: 0022-2364 page 360 - page 362 page 364, reference 7 -----	1-13
Y	LINDON J C ET AL: "Digitisation and data processing in Fourier transform NMR" PROGRESS IN NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY, vol. 14, 1980, pages 27-66, XP002390702 UK ISSN: 0079-6565 section 3.1, paragraphs 3 to 5 section 3.2.2, paragraphs 1 to 4; fig. 13 -----	1-13
X	section 3.1, paragraphs 8 to 10 -----	1-13
X	ZOLNAI Z ET AL: "Zooming, a practical strategy for improving the quality of multidimensional NMR spectra" JOURNAL OF MAGNETIC RESONANCE, SERIES A, vol. 119, no. 1, March 1996 (1996-03), pages 53-64, XP002390703 Academic Press, USA ISSN: 1064-1858 abstract page 58, left-hand column, lines 34 to 46 -----	1-13

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FRANCL T J ET AL: "Zoom transform for mass measurement accuracy in Fourier transform mass spectrometry" ANALYTICAL CHEMISTRY, vol. 55, no. 13, November 1983 (1983-11), pages 2094-2096, XP002390704 USA ISSN: 0003-2700 section "Zoom Transform", paragraph 1 section "Discussion", paragraphs 3 and 5 -----	1,4-13
A	PELCZER I ET AL: "Multidimensional NMR and data processing" CHEMICAL REVIEWS, vol. 91, no. 7, November 1991 (1991-11), pages 1507-1524, XP002390705 section III.C, paragraphs 1 and 2 section III.E section III.G -----	